

**REMARKS**

Applicant's have carefully reviewed and considered the Office Action mailed on April 20, 2007, and the references cited therewith.

Claims 1-26 are now pending in this application.

35 USC § 112 Rejection of the Claims

Claims 1-26 were rejected under 35 USC § 112, first paragraph, as failing to comply with the enablement requirement.

Applicant's respectfully traverse the rejection of claims 1-26.

The application, on page 4 lines 1-15 and on page 6 lines 13-15 describe in detail the difference between a conventional uniform rake filter and the non-uniform rake filter, respectively. In addition, on page 6 lines 16-31 and on page 9 lines 8-22 and with reference to FIGS. 2-5 clearly describe the operation of the non-uniform rake filter.

Therefore, allowance of claims 1-26 is respectfully requested.

Claims 1-26 were rejected under 35 USC § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants' regards as the invention.

Applicant's respectfully traverse the rejection of claims 1-26.

Claims 1-26 should be found allowable for the reasons presented above.

35 USC § 103 Rejection of the Claims

Claims 1-26 were rejected under 35 USC § 103(a) as being unpatentable over Dent et al. (U.S. Patent 5,572,552) in view of Wang (U.S. Publication 2005/0152486 A1), and further in view of Khayrallah et al (US Publication 2005/0130616 A1).

Applicant's respectfully traverse the rejection of claims 1-26 as follows:

Independent claims 1, 5, 9, 12, 15, 19, and 23 are respectfully asserted to distinguish over Dent et al. Further, claims 1-26 are respectfully asserted to distinguish over the Dent et al., Wang and Khayrallah et al. references. Applicant's remark, Dent et al. and Wang disclose a Rake receiver that estimates channel tap coefficients, in col. 4, lines 53-65 and in paragraph 70, respectively. Applicant's further remark, Wang discloses non-uniform selection of channel tap coefficients, in paragraph 83 – 88. Applicant's further remark, Khayrallah et al. disclose a RAKE processor that "generates weights based on the channel coefficients", in paragraph 59. Further Khayrallah et al. disclose "selecting one or more surviving delay nodes as the candidate delays"; in claim 1 on page 7. In contrast, independent claims 1, 5, 9, 12, 15, 19, and 23 recite an

adaptable non-uniform Rake filter that extracts delay information and configures structure of non-uniform tap delay filters using the extracted delay information.

Claims 2-4, 6-8, 10-11, 13-14, 16-18, 20-22, and 24-26 are dependent directly or indirectly from independent claims 1, 5, 9, 12, 15, 19, and 23, respectively, so they should be found allowable over Dent et al., Wang and Khayrallah et al. references for the reasons presented above.

Applicant's respectfully assert that Dent et al., Wang and Khayrallah et al., references fail to support a *prima facie* case of obviousness because as mentioned above, the cited references fail to teach or suggest all of the elements of Applicant's invention, such as configuring structure of non-uniform tap delay filters using the extracted delay information which can be either configuring register structures or structure of multiplier bank.

For the above reasons, claims 1-26 should be found to be allowable over Dent et al. in view of Wang and further in view of Khayrallah et al., and Applicant's respectfully request that the rejection of claims 1-26 as unpatentable over Dent et al. in view of Wang and further in view of Khayrallah et al., should be withdrawn.

Conclusion

Applicant's respectfully submits that the claims 1-26 are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' attorney (603-888-7958) to facilitate prosecution of this application.

Respectfully submitted,

RAHUL GARG ET AL.

By their Representatives,

Global IP Services, PLLC,  
198F, 27<sup>th</sup> Cross, 3<sup>rd</sup> Block.  
Jayanagar, Bangalore 560 011  
INDIA  
Ph No. +91 80 41211729

Date June 7, 2007

By



Prakash Nama  
Reg. No. 44,255